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Deputy Minister.

LABORATORY

OF THE

INLAND REVENUE DEPARTMENT

OTTAWA, CANADA

BULLETIN No. 118

STANDARD FERTILIZERS, 1906

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OTTAWA, April 26, 1906.

W. J. GERALD, Esq.,
Deputy Minister of Inland Revenue.

SIR,—Up to the present date there have been received by this branch, in accordance with the provisions of the Fertilizers Act, 153 standard samples of fertilizers which are to be offered for sale in Canada during the present year. This number is above the average, as will be seen from the following statement of the number of such standard samples which have been sent in for analysis during the last ten years:—

In	1897	there were analysed	107	standard samples.
"	1898	" "	124	" "
"	1899	" "	154	" "
"	1900	" "	107	" "
"	1901	" "	102	" "
"	1902	" "	106	" "
"	1903	" "	128	" "
"	1904	" "	111	" "
"	1905	" "	120	" "
"	1906	" "	153	" "

The tabulated statement appended to this report gives the designations of the various brands of fertilizers, the names of the manufacturers or importers, the claims made as regards their fertilizing constituents, and the actual percentage of the latter found in the standard samples on analysis in this laboratory. The 'guaranteed contents' must be understood to indicate only the lowest percentages claimed on the manufacturers label or given in his correspondence with the Department.

As required by the Fertilizers Act, the tabulated statement contains also a column in which the relative value per 2,000 lbs. of each fertilizer is given, calculated from their contents in fertilizing ingredients, the values of these being taken as follows:—

	Cents per lb.
Nitrogen in salts of ammonia or in nitrates, as well as in compound fertilizers	17
Organic nitrogen in ground bone, fish, blood or tankage	16
<i>Phosphoric Acid—</i>	
Soluble in water.	6
Soluble in 1 per cent citric acid solution.....	5½
Insoluble in Thomas' phosphate powder.....	3½
Insoluble in ground rock, phosphate and fertilizers generally.....	1½
Potash in high grade salts.....	5

These rates are the same as those of last year, which were then modified in order to bring them to correspond more closely with the present market prices of the materials used in the manufacture of fertilizers. The valuation of each brand is calculated on the results of the analysis of the standard samples, but it has been omitted in the case of the guaranteed contents on account of the imperfect character of the information supplied in the majority of instances.

In studying the present tabulated statement there seem to be good grounds for believing that the number of fertilizers of low price is on the increase, and it would appear necessary to call the attention of the farmer to the consideration that the fertilizing constituents in these are likely to cost him more than in fertilizers of a higher grade. It costs as much to mix a ton of fertilizer containing say 300 lbs. of plant food as it does one containing twice that quantity. The cost of packing, cartage and freight is the same per ton. It is evident, therefore, that the manufacturer is in a position to sell the fertilizing constituents of a high grade fertilizer at cheaper rates per pound than those in brands of low grade. In other words, the higher the grade the cheaper can the plant food be bought. Farmers should therefore consider the advantages of purchasing only high grade fertilizers. He should be also advised to avoid those brands which have less than 2 per cent of ammonia or potash. These percentages are too low in cases where such ingredients are required, and where they are not needed it is useless to purchase them. It is a waste of money to buy nitrogen or potash in fertilizers containing less than 2 per cent of these ingredients.

I beg to request the immediate publication of this report, in order that the analyses of the standard samples may be readily compared with those of the 'fertilizers as sold' which are now being collected.

I have the honor to be, sir,

Your obedient servant,

THOMAS MACFARLANE,
Chief Analyst.

TABULATED STATEMENT of the Results of Analysis of 153 Standard

Date when Received.	No. of Sample.	Designation.	Name of Manufacturer.	By whom Sent.	From what Materials Produced.
1905.					
June 12	1723	Blood and Bone Fertilizer.	E. J. Bowen, Seattle, Wash.	Nelson Drug Stores Co., Ltd., Vancouver.	Blood and bone.
" 12	1724	Bone Dust Fertilizer.	" " "	Crown Bros., Vancouver.	Bone.
" 12	1725	Blood and Bone Fertilizer.	" " "	" " "	Blood and bone.
" 15	1726	Bilston Basic Phosphate.	Alfred Hickman Co., Bilston, Eng.	E. E. McNutt, Truro, N.S.	. . . . .
July 5	1727	Holly Brand Lawn Dressing.	Lilly, Bogardus & Co., Seattle, Wash.	C. F. Foreman, Vancouver.	. . . . .
Sept. 15	1728	Basic Slag.	Alex. Cross & Son, Ltd., Glasgow.	R. A. Beckwith, East Amherst, N.S.	. . . . .
" 9	1729	Fertilizer.	Fraser River Oil and Guano Co., Vancouver, B.C.	J. F. E. Kinnell. . . . .	. . . . .
1906.					
Jan. 10	1730 A	"	The William Davies Co., Ltd., Toronto.	Edw. Adie, Secretary, Toronto.	Blood, bone and dried organic materials.
" 10	1731 B	Concentrated Tankage.	" " "	" " "	Dried meat extract.
" 11	1732	Tankage.	The Laing Packing and Provision Co., Ltd., Montreal.	Manufacturers.	Bones, offal, hair of cattle, calves, hogs and sheep.
" 11	1733	Dried Blood.	" " "	" " "	Blood of cattle, calves, hogs and sheep.
" 16	1734	Fertilizer.	The Davies Packing Co., Ltd., Harriston, Ont.	Francis F. White, Act. Sec. Treas.	Dried blood, bones and tankage.
" 15	1735	Bradley's New Method Fertilizer.	The American Agricultural Chemical Co., Buffalo, N.Y.	Manufacturers.	Blood, bone and tankage.
" 15	1736	Bradley's Bdd. Sea Fowl Guano.	" " "	" " "	" "
" 15	1737	Bradley's Complete Manure.	" " "	" " "	" "
" 15	1738	Special Potash Mixture.	" " "	" " "	" "
" 15	1739	High Grade Potash Compound.	" " "	" " "	" "
" 15	1740	Crocker's New York Special.	" " "	" " "	" "
" 15	1741	Crocker's Wheat and Corn Fertilizer.	" " "	" " "	" "
" 15	1742	Crocker's Cabbage and Potato Manure.	" " "	" " "	" "
" 3	1743	Stockbridge Manure for Potatoes.	Bowker Fertilizer Co., Boston, Mass.	Frank R. Miller.	Bone, bone black, phosphatic guano, bone phosphates, dried blood, meat or fish, sulphate of ammonia or nitrate of soda, sulphate of potash or muriate of potash and sulphuric acid.

Samples of Commercial Fertilizers, Registered for 1906.

	RESULTS OF ANALYSIS.										Relative value per ton of 2,000 lbs.	No. of Sample.	Name of Analyst.
	Nitrogen.		Phosphoric Acid.					Potash.	Moisture.				
	Total including nitric acid and ammonia.	Total calculated as ammonia.	Soluble in water.	Citric soluble.	Insoluble.	Total.	Total available.						
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	\$ cts.			
Guaranteed contents	4 00					14 00							
Standard sample....	5 67	6 46	0 48	10 40	5 43	16 31	10 88		6 45	32 92	1723		
Guaranteed contents	1 50					14 00							
Standard sample....	3 86	4 57		14 00	6 73	30 73	14 00		4 30	30 54	1724		
Guaranteed contents	4 00					14 00							
Standard sample....	11 73	14 24		1 22	1 00	2 22	1 22		12 90	41 52	1725		
Guaranteed contents						20 00							
Standard sample....				14 57	6 70	21 27	14 57		0 30	20 71	1726		
Guaranteed contents	5 00					8 00		5 00					
Standard sample....	3 01	3 65	1 00	5 04	2 00	8 04	6 04	5 00	5 75	23 47	1727		
Guaranteed contents													
Standard sample....				13 14	2 10	15 24	13 14		Trace.	15 92	1728	A. Lemoine.	
Guaranteed contents													
Standard sample....	7 84	9 52	0 67	5 21	1 37	7 25	5 88	Trace.	7 35	33 60	1729	"	
Guaranteed contents	6 83	8 30	13 62						7 19				
Standard sample....	6 93	8 41	1 15	12 45	1 65	15 25	13 60	0 34	6 30	39 46	1730	J. G. A. Valin.	
Guaranteed contents	13 32	16 18							7 08				
Standard sample....	13 86	16 83	1 67	0 05	0 40	2 12	1 72	0 57	8 15	49 87	1731	"	
Guaranteed contents	6 19	7 52							7 51				
Standard sample....	5 88	7 14	0 72	0 23	0 47	1 42	0 95	0 30	6 25	21 54	1732	"	
Guaranteed contents	11 27	15 68							23 00				
Standard sample....	5 60	6 80	0 37	10 35	3 47	14 20	10 73	0 50	13 80	32 76	1733	"	
Guaranteed contents	5 97	7 25				18 41			2 20				
Standard sample....	5 04	6 12	0 32	13 30	4 30	17 72	13 52	1 93	2 70	35 22	1734	"	
Guaranteed contents	0 82	1 00	6 00	2 00	1 00	9 00	8 00	2 00					
Standard sample....	0 84	1 02	6 78	1 30	2 55	10 72	8 17	2 32	14 70	15 61	1735	Miss S. E. Wright.	
Guaranteed contents	2 06	2 50	6 00	2 00	1 00	9 00	8 00	1 50					
Standard sample....	2 24	2 72	6 90	3 82	2 71	13 43	10 72	1 60	12 57	22 50	1736	"	
Guaranteed contents	3 29	4 00	6 00	2 00	1 00	9 00	8 00	7 00					
Standard sample....	3 23	3 93	6 78	1 86	2 39	11 03	8 64	7 91	12 40	29 77	1737	"	
Guaranteed contents	0 82	1 00	7 06	2 00	1 00	10 00	9 00	7 00					
Standard sample....	1 26	1 53	7 93	2 31	2 55	12 79	10 24	6 91	12 35	24 00	1738	"	
Guaranteed contents	1 65	2 00	6 00	2 00	1 00	9 00	8 00	10 00					
Standard sample....	1 71	2 07	7 80	1 16	2 39	11 35	8 96	9 85	12 60	27 00	1739	"	
Guaranteed contents			8 00	2 00	1 00	11 00	10 00	8 00					
Standard sample....			8 44	1 32	2 55	12 31	9 77	8 50	13 25	20 86	1740	"	
Guaranteed contents	2 06	2 50	6 00	2 00	1 00	9 00	8 00	1 50					
Standard sample....	2 14	2 60	7 16	1 16	2 71	11 03	8 32	1 60	12 02	19 54	1741	"	
Guaranteed contents	2 47	3 00	6 00	2 50	1 00	9 00	8 00	6 00					
Standard sample....	2 51	3 03	6 52	3 55	2 88	12 95	10 07	6 25	12 40	27 36	1742	"	
Guaranteed contents		4 00				7 00	6 00	10 00					
Standard sample....	2 70	3 28	5 37	1 18	1 12	7 37	6 55	9 52	7 55	26 76	1743	"	

TABULATED STATEMENT of the Results of Analysis of 153 Standard

Date when Received.	No. of Sample.	Designation.	Name of Manufacturer.	By whom Sent.	From what Materials Produced.
1900.					
Jan.	3 1744	Stockbridge Manure for Corn.	Bowker Fertilizer Co., Boston, Mass.	Frank R. Miller..	Bone, bone black, phosphatic guano, bone phosphates, dried blood, meat or fish, sulphate of ammonia or nitrate of soda, sulphate of potash or muriate of potash and sulphuric acid.
"	3 1745	Bowker's Potato and Vegetable Phosphate.	"	"	"
"	3 1746	Bowker's Farm and Garden Phosphate.	"	"	"
"	3 1747	Bowker's Bone and Potash. Square Brand.	"	"	"
"	3 1748	Southern Guano for Potatoes and Vegetables.	"	"	"
"	3 1749	Bristol Fish and Potash.	"	"	"
"	3 1750	Bowker's Sure Crop Phosphate.	"	"	"
"	3 1751	Bowker's Potash Bone.	"	"	"
"	3 1752	Bowker's 6 p.e. Potato Fertilizer	"	"	"
"	3 1753	Bowker's Corn Phosphate.	"	"	"
"	3 1754	Bowker's Vermont Phosphate.	"	"	"
"	3 1755	Bowker's Superphosphate and Potash.	"	"	"
"	3 1756	Bowker's Hill and Drill Phosphate.	"	"	"
"	3 1757	Bowker's Fresh Ground Bone.	"	"	Bone
"	3 1758	Nitrate of Soda...	"	"	Nitrate of soda
"	3 1759	Muriate of Potash.	"	"	Muriate of potash
"	3 1760	Dissolved Bone Black.	"	"	Bone, bone black, phosphatic guano, bone phosphates and sulphuric acid.
"	3 1761	Bowker's Superphosphate.	"	"	"
"	19 1762	Essex Complete Manure for Potatoes, Roots and Vegetables.	Essex High Grade Fertilizer Co.	S. C. Shaffner, Prov. Manager, Granville Ferry, N.S.	Nitrate of soda, high grade dry western blood, ground fish meal, ground fish bone, high grade sulphate of potash, high grade muriate of potash, double superphosphate and acid phosphate.
"	19 1763	Essex Complete Manure for Corn, Grain and Grass.	"	"	"

Samples of Commercial Fertilizers, Registered for 1906—Continued.

	RESULTS OF ANALYSIS.										Relative value per ton of 2,000 lbs.	No. of Sample.	Name of Analyst.
	Nitrogen.		Phosphoric Acid.					Potash.	Moisture.				
	Total including nitric acid and ammonia.	Total calculated as ammonia.	Soluble in water.	Citric soluble.	Insoluble.	Total.	Total available.						
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	cts.			
Guaranteed contents		4 00				11 00	7 00						
Standard sample	2 78	3 37	6 65	3 46	2 68	12 79	10 11	7 45	5 87	29 48	1744	Miss S. E. Wright.	
Guaranteed contents		2 00				9 00	9 00	2 00					
Standard sample	1 85	2 14	7 93	1 51	1 21	11 36	9 44	3 51	7 20	21 54	1745	"	
Guaranteed contents		2 00				9 00	8 00	2 00					
Standard sample	1 90	2 31	7 29	1 35	2 55	11 19	8 64	1 48	6 60	18 97	1746	"	
Guaranteed contents		2 00				7 00	6 00	2 00					
Standard sample	1 34	1 63	3 20	5 91	1 92	11 03	9 11	2 35	3 03	17 61	1747	"	
Guaranteed contents		2 00				7 00	6 00	2 00					
Standard sample	1 89	2 29	4 90	3 14	3 25	11 38	8 13	2 99	5 20	19 82	1748	A. Lemoine.	
Guaranteed contents		2 00				8 00	5 00	2 00					
Standard sample	1 37	1 66	3 68	3 19	2 08	8 95	6 87	3 57	3 27	16 75	1749	Miss S. E. Wright.	
Guaranteed contents		1 00				10 00	9 00	2 00					
Standard sample	1 27	1 54	5 43	4 80	2 88	13 11	10 23	3 18	4 57	20 14	1750	"	
Guaranteed contents		1 00				7 00	6 00	2 00					
Standard sample	0 98	1 19	4 79	3 85	1 59	10 23	8 64	2 70	3 85	16 47	1751	A. Lemoine.	
Guaranteed contents		1 00				7 00	6 00	6 00					
Standard sample	0 90	1 10	5 75	3 33	1 47	10 55	9 08	6 33	5 05	20 39	1752	"	
Guaranteed contents		2 00				9 00	8 00	2 00					
Standard sample	1 68	2 04	6 07	4 53	0 90	11 50	10 60	2 81	6 20	20 96	1753	"	
Guaranteed contents		3 00				10 00	8 00	4 00					
Standard sample	2 38	2 89	7 03	1 61	2 55	11 19	8 64	4 34	8 70	23 39	1754	"	
Guaranteed contents						11 00	10 00	1 00					
Standard sample			8 31	1 93	1 59	11 83	10 24	2 83	5 85	13 39	1755	"	
Guaranteed contents		3 00				10 00	9 00	2 00					
Standard sample	2 57	3 12	3 20	5 11	2 72	11 03	8 31	6 67	21 15	1756	Miss S. E. Wright.		
Guaranteed contents		3 00				18 00	5 00	0 00					
Standard sample	2 69	3 26	1 12	8 90	11 83	20 95	9 12	5 25	22 52	1757	"		
Guaranteed contents		18 00				0 00		0 00					
Standard sample	14 28	17 34				0 00		0 03	48 55	1758	"		
Guaranteed contents		0 00				0 00		50 00					
Standard sample						0 00		50 60	1 10	50 60	1759	A. Lemoine.	
Guaranteed contents		0 00				16 00	15 00	0 00					
Standard sample			11 38	3 78	3 30	18 55	15 16	3 45	18 81	1760	"		
Guaranteed contents		0 00				15 00	13 00	0 00					
Standard sample			9 27	3 01	1 47	13 75	12 28		7 10	14 97	1761	"	
Guaranteed contents	3 70	4 50	3 00	4 00	2 00	9 00		8 00					
Standard sample	3 19	3 87	2 75	5 40	3 80	11 95	8 15	7 99	4 95	29 21	1762	"	
Guaranteed contents	3 30	4 00	3 00	4 00	2 50	9 50		9 50					
Standard sample	2 80	3 40	6 90	4 93	2 43	14 26	11 83	10 60	10 20	34 44	1763	"	

TABULATED STATEMENT of the Results of Analysis of 153 Standard

Date when Received.	No. of Sample.	Designation.	Name of Manufacturer.	By whom Sent.	From what Materials Produced.
1906.					
Jan. 19	1764	Essex Market Garden and Potato Manure.	Essex High Grade Fertilizer Co.	S. C. Schaffner, Prov. Manager, Granville Ferry, N.S.	Nitrate of soda, high grade dry western blood, ground fish meal, ground fish bone, high grade sulphate of potash, high grade muriate of potash, double superphosphate and acid phosphate.
"	19 1765	Essex Dry Ground Fish.	" " "	" " "	" " "
"	19 1766	Essex Ground Bone.	" " "	" " "	" " "
"	19 1767	Essex XXX Fish and Potash.	" " "	" " "	" " "
"	19 1768	Essex Orchard Fertilizer.	" " "	" " "	" " "
"	24 1769	Unground Tankage.	Harris Abattoir Co., Ltd., Toronto, Ont.	J. S. McLean, Secy.-Treas.	Dried bone and meaty matter
"	25 1770	Imperial Superphosphate.	Provincial Chemical Fertilizer Co., Ltd., St. John, N.B.	Manufacturers	
"	25 1771	Potato Phosphate.	" " "	"	
"	25 1772	Victor Guano.	" " "	"	
"	25 1773	Bone Meal.	" " "	"	
"	25 1774	Blood, Bone, Potash.	" " "	"	
"	25 1775	10 p. c. Complete 'Aroostook' Potato.	" " "	"	
"	30 1776	Bradley's Superphosphate for Orchards.	American Agricultural Chemical Co., Boston Sales Dept	C. J. Ormsby, of the American Agricultural Chemical Co., Boston.	Bone black, phosphatic guano, muriate and sulphate of potash.
"	30 1777	Bradley's Potato Fertilizer.	" " "	" " "	Bone black, animal bone, phosphatic guanos, dried fish, meat or blood, nitrate of soda or sulphate of ammonia, sulphate and muriate of potash, sulphuric acid.
"	30 1778	Bradley's XL Superphosphate of Lime.	" " "	" " "	" " "
"	30 1779	Bradley's Farmers' New Method Fertilizer.	" " "	" " "	" " "
"	30 1780	Bradley's Fine Ground Bone.	" " "	" " "	" " "
"	30 1781	Bradley's Eclipse Phosphate.	" " "	" " "	" " "
"	30 1782	Bradley's Eureka Fertilizer.	" " "	" " "	" " "
"	30 1783	Bradley's Alkaline Bone and Potash	" " "	" " "	" " "
"	30 1784	Bradley's Complete Manure with 10% Potash	" " "	" " "	" " "

Samples of Commercial Fertilisers, Registered for 1906—Continued.

	RESULTS OF ANALYSIS.										Relative value per ton of 2,000 lbs.	No. of Sample.	Name of Analyst.
	Nitrogen.		Phosphoric Acid.					Potash.	Moisture.				
	Total including nitric acid and ammonia.	Total calculated as ammonia.	Soluble in water.	Citric soluble.	Insoluble.	Total.	Total available.						
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	cts.			
Guaranteed contents	2.00	2.40	4.00	4.00	2.00	10.00	.....	5.00	.....	.....	.....	1764	A. Lemoine.
Standard sample....	1.82	2.21	3.19	4.36	4.47	12.02	7.55	5.46	9.05	21.69			
Guaranteed contents	8.00	.....	.....	.....	.....	11.00	.....	.....	.....	.....	.....	1765	J. G. A. Valin.
Standard sample....	7.77	9.43	0.50	8.88	3.12	12.50	9.38	.....	8.95	37.70			
Guaranteed contents	.....	3.10	.....	.....	.....	24.14	.....	.....	.....	.....	.....	1766	"
Standard sample....	2.94	3.57	.....	13.40	7.00	20.40	13.40	.....	5.60	26.83			
Guaranteed contents	2.10	2.50	4.50	4.50	3.00	12.00	.....	2.00	.....	.....	.....	1767	"
Standard sample....	2.03	2.46	3.12	7.18	3.13	13.42	10.30	2.21	8.20	30.47			
Guaranteed contents	.....	2.00	4.00	3.00	2.00	9.00	.....	8.50	.....	.....	.....	1768	"
Standard sample....	1.68	2.04	2.25	5.10	4.40	11.75	7.35	8.99	4.60	24.43			
Guaranteed contents	5.83	7.08	.....	.....	.....	.....	14.87	.....	5.23	.....	.....	1769	"
Standard sample....	5.86	7.14	.....	12.18	2.82	15.00	12.18	0.73	4.80	34.15			
Guaranteed contents	.....	3.00	.....	.....	.....	.....	10.50	1.50	.....	.....	.....	1770	"
Standard sample....	2.31	3.00	6.00	2.48	4.77	13.25	8.48	1.35	10.10	21.50			
Guaranteed contents	.....	2.50	.....	.....	.....	.....	8.00	6.50	.....	.....	.....	1771	A. Lemoine.
Standard sample....	2.17	2.63	5.43	3.66	5.11	14.20	9.09	7.60	8.30	27.03			
Guaranteed contents	.....	2.00	.....	.....	.....	.....	7.00	2.50	.....	.....	.....	1772	"
Standard sample....	1.82	2.21	4.35	5.69	4.99	15.03	10.04	1.48	6.95	20.62			
Guaranteed contents	.....	3.10	.....	.....	.....	24.14	.....	.....	.....	.....	.....	1773	" 2520
Standard sample....	3.39	4.11	.....	14.60	8.05	22.65	14.60	.....	5.70	.....		
Guaranteed contents	.....	2.00	.....	.....	.....	.....	7.00	4.00	.....	.....	.....	1774	"
Standard sample....	1.96	2.38	4.15	4.16	4.99	13.30	8.31	4.48	9.30	22.15			
Guaranteed contents	.....	4.00	.....	.....	.....	.....	8.00	10.00	.....	.....	.....	1775	J. G. A. Valin.
Standard sample....	2.80	3.40	5.87	1.63	3.57	11.07	7.50	9.61	13.15	29.03			
Guaranteed contents	.....	.....	11.00	.....	.....	.....	14.00	.....	.....	.....	.....	1776	"
Standard sample....	0.43	0.51	11.60	2.80	0.80	15.20	14.40	1.77	16.00	20.47			
Guaranteed contents	2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00	.....	.....	.....	1777	"
Standard sample....	1.89	2.29	6.55	2.20	2.23	11.00	8.75	2.56	15.00	19.93			
Guaranteed contents	2.06	2.50	5.00	3.00	2.00	10.00	8.00	1.50	.....	.....	.....	1778	"
Standard sample....	2.24	2.72	5.57	3.56	2.72	11.85	9.13	2.25	14.20	21.26			
Guaranteed contents	1.03	1.25	6.00	2.00	2.00	10.00	8.00	2.00	.....	.....	.....	1779	"
Standard sample....	1.19	1.44	4.77	4.08	1.85	10.70	8.85	2.21	11.75	17.00			
Guaranteed contents	2.50	3.00	.....	.....	.....	21.20	.....	.....	.....	.....	.....	1780	"
Standard sample....	2.38	2.89	.....	16.70	8.05	24.75	16.70	0.27	3.85	29.14			
Guaranteed contents	1.03	1.25	6.00	2.00	2.00	10.00	8.00	2.00	.....	.....	.....	1781	A. Lemoine.
Standard sample....	1.17	1.42	5.75	4.53	1.79	12.07	10.28	2.08	11.15	18.46			
Guaranteed contents	1.03	1.25	6.00	2.00	2.00	10.00	8.00	2.00	.....	.....	.....	1782	"
Standard sample....	1.17	1.42	5.63	3.27	3.25	12.15	8.90	2.85	11.05	18.13			
Guaranteed contents	.....	.....	6.00	5.00	1.00	12.00	11.00	2.00	.....	.....	.....	1783	"
Standard sample....	.....	.....	5.43	5.37	0.90	11.70	10.80	2.56	15.50	15.24			
Guaranteed contents	3.30	4.00	4.00	2.00	1.00	7.00	6.00	10.00	.....	.....	.....	1784	"
Standard sample....	2.24	2.72	4.35	3.35	0.80	8.50	7.70	10.66	9.60	27.41			

TABULATED STATEMENT of the Results of Analysis of 153 Standard

Date when Received.	No. of Sample.	Designation.	Name of Manufacturer.	By whom Sent.	From what Materials Produced.
1900.					
Jan. 30	1785	Read's Standard Superphosphate.	American Agricultural Chemical Co., Boston Sales Dept.	C. J. Ormsby, of the American Agricultural Chemical Co., Boston.	Bone black, animal bone, phosphatic guano, dried fish, meat or blood, nitrate of soda, or sulphate of ammonia, sulphate and muriate of potash, sulphuric acid.
" 30	1786	Read's Sure Catch Fertilizer.	" " "	" " "	Bone black, phosphatic guano, muriate and sulphate potash.
" 30	1787	Read's Fish, Bone and Potash.	" " "	" " "	Bone black, animal bone, phosphatic guano, dried fish, meat or blood, nitrate of soda, or sulphate ammonia, sulphate or muriate of potash, sulphuric acid.
" 30	1788	Tucker's Imperial Bone Superphosphate.	" " "	" " "	" " "
" 30	1789	William's and Clark's American Potato Manure.	" " "	" " "	" " "
" 30	1790	Pacific Potato Special.	" " "	" " "	" " "
" 30	1791	Pacific Nobsque Guano.	" " "	" " "	" " "
" 30	1792	Pacific Fine Ground Bone.	" " "	" " "	" " "
" 30	1793	Soluble Pacific Guano.	" " "	" " "	" " "
" 30	1794	Quinnipiac Climax Phosphate for all Crops.	" " "	" " "	" " "
" 30	1795	Cumberland Superphosphate.	" " "	" " "	" " "
" 30	1796	Cumberland Potato Fertilizer	" " "	" " "	" " "
" 30	1797	Cumberland Fine Ground Bone.	" " "	" " "	" " "
" 30	1798	Standard Fertilizer.	" " "	" " "	" " "
" 30	1799	Standard Special for Potatoes.	" " "	" " "	" " "
" 29	1800	Thomas' Phosphate Powder (Ground Basic Slag).	Chemical Works, late H. & E. Albert, 15 Philpot Lane, London, E. C.	Anglo Canadian Chemical Co., St. John, N.B.	.....
" 29	1801	Albert's Horticultural Manure, Brand "A.G."	" " "	" " "	.....
Feb. 1	1802	Freeman's Sure Growth Manure.	The W. A. Freeman Co., Ltd., Hamilton, Ont.	Manufacturers....	Phosphate, bone, blood, tankage, sulphuric acid, muriate of potash, sulphate of potash, sulphate of ammonia, nitrate of soda.
" 1	1803	Freeman's Bone & Potash.	" " "	" " "	" " "

Samples of Commercial Fertilizers, Registered for 1906—Continued.

	RESULTS OF ANALYSIS.										Relative value per ton of 2,000 lbs.	No. of Sample.	Name of Analyst.
	Nitrogen.		Phosphoric Acid.					Potash.	Moisture.				
	Total including nitric acid and ammonia.	Total calculated as ammonia.	Soluble in water.	Citric soluble.	Insoluble.	Total.	Total available.						
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	\$ cts.			
Guaranteed contents	0.82	1.00	5.00	3.00	12.00	10.00	8.00	4.00					
Standard sample...	1.26	1.53	5.11	5.77	1.91	12.79	10.88	4.40	13.20	21.72	1786	A. Lemoine.	
Guaranteed contents	.....	.....	5.00	4.00	1.00	11.00	10.00	2.00				
Standard sample....	.....	.....	5.63	3.46	3.25	12.34	9.00	2.49	15.25	14.01	1786	"
Guaranteed contents	2.00	2.40	3.00	1.00	1.00	5.00	4.00	4.00					
Standard sample....	2.10	2.55	4.57	3.28	1.27	9.12	7.85	3.59	11.15	30.29	1787	J. G. A. Valin.	
Guaranteed contents	1.08	1.35	6.00	2.00	2.00	10.00	8.00	2.00					
Standard sample ...	1.33	1.61	5.70	3.53	2.07	11.30	9.23	2.00	11.40	17.86	1788	"	
Guaranteed contents	2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00					
Standard sample....	2.01	2.44	6.52	2.53	1.95	11.00	9.05	2.74	14.00	30.75	1789	"	
Guaranteed contents	2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00					
Standard sample....	2.07	2.51	6.52	2.23	2.05	11.10	9.05	2.64	15.85	20.91	1790	"	
Guaranteed contents	1.03	1.25	6.00	2.00	2.00	10.00	8.00	2.00					
Standard sample....	1.12	1.36	5.30	3.58	2.12	11.00	8.88	2.00	10.50	16.72	1791	"	
Guaranteed contents	2.50	3.00	.....	.....	.....	21.00	.....	.....			
Standard sample....	2.73	3.31	.....	15.25	8.75	24.00	15.25	.....	3.75	28.67	1792	"
Guaranteed contents	2.06	2.50	5.00	3.00	2.00	10.00	8.00	1.50					
Standard sample ...	2.18	2.65	6.72	2.23	2.56	11.51	8.95	2.12	14.42	20.80	1793	Miss S. E. Wright.	
Guaranteed contents	1.03	1.25	6.00	2.00	2.00	10.00	8.00	2.00					
Standard sample....	1.70	2.05	7.20	2.87	2.08	12.15	10.07	2.51	11.17	30.70	1794	"	
Guaranteed contents	2.06	2.50	5.00	3.00	2.00	10.00	8.00	1.50					
Standard sample....	2.21	2.69	6.40	3.51	3.56	12.47	9.91	1.87	14.30	21.68	1795	"	
Guaranteed contents	2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00					
Standard sample....	1.75	2.12	6.88	3.51	2.24	12.63	10.39	3.11	15.23	21.84	1796	"	
Guaranteed contents	2.50	3.00	.....	.....	.....	21.00	.....	.....			
Standard sample....	2.77	3.37	.....	17.42	8.64	26.06	17.42	.....	3.23	31.16	1797	"
Guaranteed contents	2.06	2.50	5.00	3.00	2.00	10.00	8.00	1.50					
Standard sample....	2.20	2.67	6.71	2.72	2.72	12.15	9.48	1.70	13.67	21.03	1798	"	
Guaranteed contents	2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00					
Standard sample....	2.24	2.72	6.39	4.80	2.43	13.62	11.19	3.38	14.74	25.20	1799	A. Lemoine	
Guaranteed contents	.....	.....	.....	.....	.....	17.20	.....	.....			
Standard sample....	.....	.....	.....	15.16	3.71	18.87	15.16	.....	Trace.	19.26	1800	"
Guaranteed contents	12.07	.....	11.18	.....	.....	.....	.....	19.68				
Standard sample....	11.96	14.51	11.06	1.54	1.79	14.39	12.60	20.00	2.55	76.15	1801	"	
Guaranteed contents	.....	.....	.....	.....	.....	8.00	.....	3.00				
Standard sample...	4.06	4.93	4.67	5.75	.....	10.42	10.42	3.34	8.45	29.06	1802	"
Guaranteed contents	.....	2.00	.....	.....	.....	9.00	.....	6.00				
Standard sample....	5.81	7.05	4.03	3.32	1.36	8.63	7.36	8.59	7.20	37.20	1803	"	

TABULATED STATEMENT of the Results of Analysis of 153 Standard

Date when Received.	No. of Sample.	Designation.	Name of Manufacturer.	By whom Sent.	From what Materials Produced.
1906.					
Feb.	1 1804	Freeman's Celery and Early Vegetable Manure.	The W. A. Freeman Co., Ltd., Hamilton, Ont.	Manufacturers....	Phosphate, bone, blood, tankage, sulphuric acid, muriate of potash, sulphate of potash, sulphate of ammonia, nitrate of soda.
"	1 1805	Freeman's Phosphate Powder.	" " "	" "	" "
"	1 1806	Freeman's Potato Manure.	" " "	" "	" "
"	1 1807	Freeman's Tankage Manure.	" " "	" "	" "
"	1 1808	Freeman's Special Tobacco Manure.	" " "	" "	" "
"	1 1809	Freeman's Pure Bone Meal.	" " "	" "	" "
"	1 1810	Reid's Superphosphate (not labeled).	Thomas Reid, Parish of Simonds, County St. John, N. B.	Manufacturer.....	Bones, spent-char, old meat, fish refuse, phosphate rock, kainite, salamonite.
"	5 1811	Superphosphate of Lime. (No label)	The Standard Fertilizer and Chemical Co., Ltd., Smith's Falls, Ont.	Manufacturers....	.....
"	5 1812	Special Fertilizer..	" " "	" "	.....
"	5 1813	Standard Fertilizer	" " "	" "	.....
"	5 1814	Star Fertilizer ....	" " "	" "	.....
"	5 1815	No. 1 Fertilizer....	" " "	" "	.....
"	5 1816	Royal Fertilizer. .	" " "	" "	.....
"	5 1817	Swift's Lowell Bone Fertilizer.	Swift's Lowell Fertilizer Co., 44 North Market St., Boston, Mass.	" "	Blood, meat, bone, bone black, bone phosphates, nitrate of soda or sulphate of ammonia, and sulphate or muriate of potash.
"	5 1818	Swift's Lowell Potato Manure.	" " "	" "	" "
"	5 1819	Swift's Lowell Potato Phosphate.	" " "	" "	" "
"	5 1820	Swift's Lowell Animal Brand.	" " "	" "	" "
"	5 1821	Swift's Lowell Ground Bone.	" " "	" "	.....
"	5 1822	"Potato Phosphate."	The Nova Scotia Fertilizer Co., Halifax, N.S.	" "	Bon-char, bone, dried blood, tankage, meat, fish, bone phosphates, sulphate of ammonia, nitrate of soda, high grade muriate of potash or sulphate of potash and sulphuric acid.
"	8 1823	"Ceres Super-phosphates."	" " "	" "	" "
"	8 1824	"Bone Meal"...	" " "	" "	" "

Samples of Commercial Fertilizers, Registered for 1906—Continued.

	RESULTS OF ANALYSIS.											Relative value per ton of 2,000 lbs.	No. of Sam. pl.	Name of Analyst.
	Nitrogen.		Phosphoric Acid.					Potash.	Moisture.					
	Total including nitric acid and ammonia.	Total calculated as ammonia.	Soluble in water.	Citric soluble.	Insoluble.	Total.	Total available.							
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	\$ cts.				
Guaranteed contents		6.00				9.00		6.00						
Standard sample....	9.24	11.28	2.43	4.44	0.80	7.67	6.87	8.07	5.85	47.51	1804	A. Lemoine.		
Guaranteed contents						15.30								
Standard sample....	0.21	0.25	8.25	0.33	6.12	14.70	8.58	0.09	13.15	12.88	1805	J. G. A.		
Guaranteed contents		3.00				8.30		5.00				Valin.		
Standard sample....	2.38	2.89	3.85	4.25	1.50	9.60	8.10	6.56	7.65	24.41	1806	"		
Guaranteed contents		5.00				12.00						"		
Standard sample....	7.70	9.53	0.70	7.20	4.07	11.97	7.90	0.61	8.90	36.77	1807	"		
Guaranteed contents		3.00				8.00		4.00				"		
Standard sample....	3.65	4.45	3.82	4.31	1.42	9.55	8.13	4.88	9.20	27.03	1808	"		
Guaranteed contents		3.00				23.00						"		
Standard sample....	2.52	3.00		15.50	10.00	25.50	15.50		5.90	28.61	1809	"		
Guaranteed contents												"		
Standard sample....	2.75	3.82	1.75	5.18	1.62	8.55	6.93	2.83	15.75	10.45	1810	"		
Guaranteed contents														
Standard sample....	0.17	0.20	9.62	2.00	4.13	15.97	11.82		9.15	15.79	1811	"		
Guaranteed contents		3.50	8.00				10.00	6.00						
Standard sample....	2.94	3.57	6.07	2.43	1.95	10.45	8.50	6.72	12.30	27.24	1812	"		
Guaranteed contents		2.50	9.00				11.00	2.00						
Standard sample....	1.96	2.38	6.05	3.05	2.37	12.37	10.00	1.56	8.60	20.53	1813	"		
Guaranteed contents		2.00					5.00	2.00						
Standard sample....	1.82	2.21	3.35	3.10	1.30	7.75	6.45	1.76	3.20	15.76	1814	"		
Guaranteed contents		2.00					9.00	2.00						
Standard sample....	2.22	2.58	5.40	3.35	2.15	10.90	8.75	1.50	13.25	19.84	1815	"		
Guaranteed contents		2.00					8.00	3.00						
Standard sample....	1.72	2.21	4.85	2.78	2.37	10.00	7.63	2.51	6.15	17.93	1816	"		
Guaranteed contents		2.00				9.00	8.00	2.00						
Standard sample....	1.92	2.33	6.88	2.07	2.24	11.19	8.95	3.19	10.52	20.90	1817	Miss S. E. Wright.		
Guaranteed contents		2.00				8.00	7.00	4.00						
Standard sample....	2.04	2.48	6.08	2.87	1.76	10.71	8.95	4.40	10.50	22.27	1818	"		
Guaranteed contents		3.00				9.00	8.00	6.00						
Standard sample....	2.40	3.03	6.72	3.04	2.08	11.84	9.76	6.85	10.75	27.33	1819	"		
Guaranteed contents		3.00				10.00	9.00	4.00						
Standard sample....	2.55	3.00	6.08	4.00	2.52	12.60	10.08	4.23	10.40	25.40	1820	"		
Guaranteed contents		3.00				25.00								
Standard sample....	2.79	3.38		19.03	8.64	27.67	19.03		2.82	33.01	1821	"		
Guaranteed contents		3.00	1.00	2.00	5.00	8.00	7.00	4.00						
Standard sample....	2.57	3.12	6.70	2.18	1.52	10.40	3.88	6.50	11.80	26.94	1822	"		
Guaranteed contents		2.00				8.00	7.00	2.00						
Standard sample....	2.61	3.17	5.92	4.08	1.90	11.90	10.00	4.48	12.00	25.45	1823	A. Lemoine.		
Guaranteed contents		3.00												
Standard sample....	3.85	4.67	1.50	20.60	6.90	29.00	22.10		7.35	30.62	1824	"		

TABULATED STATEMENT of the Results of Analysis of 153 Standard

Date when Received.	No. of Sample.	Designation.	Name of Manufacturer.	By whom Sent.	From what Materials Produced.
1906.					
Feb. 8 1825	" Fruit Tree ".....	The Nova Scotia Fertilizer Co., Halifax, N.S.	Manufacturers....	Bon-char, bone, dried blood, tankage, meat, fish, bone, phosphates, sulphate of ammonia, nitrate of soda, high grade muriate of potash or sulphate of potash and sulphuric acid.	
" 8 1826	"Southern Guano"	" " " " " " " "	" " " " " " " "	" " " " " " " "	
" 8 1827	" Blood, Bone and Potash."	" " " " " " " "	" " " " " " " "	" " " " " " " "	
" 8 1828	" Bone and Potash "	" " " " " " " "	" " " " " " " "	" " " " " " " "	
" 12 1829	" Burris Ground Bone."	Mr. T. D. Burris, Truro, N.S.	Manufacturer		
1905.					
May 9 1830	Dow's Pure Bone Dust.	John C. Dow Co., Boston, Mass.	C. O. Cook, Waterville, N.S.		
June 7 1831	Great Eastern High Grade Potato Manure.	American Agricultural Chemical Co.	" " " " " " " "		
1906.					
Feb. 5 1832	New England Potato Fertilizer.	New England Fertilizer Co., 43 North Market St., Boston.	New England Fertilizer Co.	Blood, meat, bone, bone black, bone phosphates, nitrate of soda, or sulphate of ammonia, sulphate or muriate of potash.	
" 5 1833	New England Corn and Grain.	" " " " " " " "	" " " " " " " "	" " " " " " " "	
" 5 1834	New England Corn Phosphate	" " " " " " " "	" " " " " " " "	" " " " " " " "	
March 1 1835	" H. ".....	W. Harris & Co., Toronto, Ont.	W. Harris & Co.		
" 1 1836	Bone Meal.	" " " " " " " "	" " " " " " " "		
" 2 1837	International Grain and Grass Fertilizer.	International Seed Co. Rochester, N.Y., U.S.A.	International Seed Co.		
" 2 1838	International Potato and Truck Manure.	" " " " " " " "	" " " " " " " "		
" 12 1839	Bilston Basic Phosphate.	Alfred Hickman, Ltd., Bilston, England.	E. E. McNutt, Truro, N.S., 30 Prince St.		
" 16 1840	Thomas' Phosphate Flour.	The Arnott Chemical Co., 114 Victoria St., Toronto, Ont.	E. W. Campbell Arnott.		
" 21 1841	Ground Bone.....	The Pidgeon Fertilizer Co., Ltd., Windsor, Nova Scotia.	Manufacturers. .	Ground bone, tankage and nitrate of soda, muriate of potash and kainite, phosphoric rock and sulphuric acid.	
" 21 1842	Eureka Phosphate.	" " " " " " " "	" " " " " " " "	" " " " " " " "	

Samples of Commercial Fertilizers, Registered for 1906—Continued.

	RESULTS OF ANALYSIS.										Relative value per ton of 2,000 lbs.	No. of sample.	Name of Analyst.
	Nitrogen.		Phosphoric Acid.					Total available.	Potash.	Moisture.			
	Total including nitric acid and ammonia.	Total calculated as ammonia.	Soluble in water.	Citric soluble.	Insoluble.	Total.							
							p. c.						
Guaranteed contents	.....	3.00	.....	.....	.....	7.00	.....	2.50	.....	.....	.....	.....	.....
Standard sample....	2.80	3.40	7.99	2.85	1.59	12.47	10.88	7.53	14.00	30.27	1825	A. Lemoine.	
Guaranteed contents	.....	2.00	.....	.....	.....	7.00	.....	2.50	.....	.....	.....	.....	.....
Standard sample....	2.24	2.72	5.95	1.74	3.18	10.87	7.69	4.40	10.95	22.69	1826	"	
Guaranteed contents	.....	2.00	.....	.....	.....	7.00	.....	4.00	.....	.....	.....	.....	.....
Standard sample....	2.10	2.55	6.39	1.49	3.18	11.06	7.88	4.78	11.20	22.16	1827	"	
Guaranteed contents	.....	2.00	.....	.....	.....	11.00	.....	2.00	.....	.....	.....	.....	.....
Standard sample....	2.24	2.72	1.59	3.97	4.03	9.59	5.56	3.43	7.35	18.50	1828	"	
Guaranteed contents	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Standard sample....	3.92	4.76	.....	11.24	10.70	21.94	11.24	.....	8.65	30.09	1829	"	
Guaranteed contents	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Standard sample....	1.96	2.38	.....	20.66	11.32	31.98	20.66	.....	5.65	32.38	1830	J. G. A. Valin.	
Guaranteed contents	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Standard sample....	3.01	3.65	4.60	3.41	1.91	9.92	8.01	9.44	9.46	26.52	1831	"	
Guaranteed contents	.....	2.00	.....	.....	.....	8.00	7.00	4.00	.....	.....	.....	.....	.....
Standard sample....	1.96	2.38	6.70	4.00	Trace	10.70	10.70	4.32	10.70	23.42	1832	A. Lemoine.	
Guaranteed contents	.....	1.50	.....	.....	.....	8.00	7.00	2.00	.....	.....	.....	.....	.....
Standard sample....	1.54	1.87	6.39	1.29	1.91	9.59	7.68	3.76	8.75	16.72	1833	"	
Guaranteed contents	.....	2.00	.....	.....	.....	9.00	8.00	3.00	.....	.....	.....	.....	.....
Standard sample....	2.10	2.55	7.86	3.21	1.59	12.66	11.07	3.16	10.70	23.73	1834	"	
Guaranteed contents	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Standard sample....	4.06	4.93	.....	7.36	3.19	10.55	7.36	0.29	6.95	23.13	1835	"	
Guaranteed contents	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Standard sample....	3.64	4.42	.....	13.63	7.99	21.62	13.63	.....	4.70	29.85	1836	"	
Guaranteed contents	.....	2.00	.....	.....	.....	.....	10.00	2.00	.....	.....	.....	.....	.....
Standard sample....	1.93	2.35	8.63	0.96	2.06	11.67	9.59	2.97	12.72	21.55	1837	Miss S. E. Wright.	
Guaranteed contents	.....	1.50	.....	.....	.....	.....	8.00	7.00	.....	.....	.....	.....	.....
Standard sample....	1.90	2.33	6.39	2.08	2.24	10.71	8.47	7.07	11.70	24.14	1838	"	
Guaranteed contents	.....	.....	.....	.....	.....	20.00	.....	.....	.....	.....	.....	.....	.....
Standard sample....	.....	.....	.....	18.21	4.15	22.39	18.24	.....	0.80	21.10	1839	"	
Guaranteed contents	.....	.....	.....	.....	.....	18.00	.....	.....	.....	.....	.....	.....	.....
Standard sample....	.....	.....	.....	16.00	6.55	22.55	16.00	.....	0.32	19.56	1840	"	
Guaranteed contents	.....	3.00	.....	.....	.....	.....	20.00	.....	.....	.....	.....	.....	.....
Standard sample....	2.80	3.40	.....	15.20	8.63	23.83	15.20	.....	5.97	28.82	1841	"	
Guaranteed contents	.....	2.50	.....	.....	.....	.....	8.00	2.50	.....	.....	.....	.....	.....
Standard sample....	2.21	2.59	5.12	3.03	2.72	10.87	8.15	2.10	12.05	20.00	1842	"	

TABULATED STATEMENT of the Results of Analysis of 153 Standard

Date when Received.	No. of Sample.	Designation.	Name of Manufacturer.	By whom Sent.	From what Materials Produced.
1906.					
Mar. 21	1843	Intense.....	The Pidgeon Fertilizer Co., Ltd., Windsor, Nova Scotia.	Manufacturers ...	Ground bone, tankage and nitrate of soda, muriate of potash and kainite, phosphoric rock and sulphuric acid.
" 21	1844	Potato Manure....	" "	"	" " ..
" 21	1845	Potato Guano.....	" "	"	" " ..
" 27	1846	Thomas' Phosphate Powder (Ground Basic Slag).	Chemical Works late H. & E. Albert, 15 Philpot Lane, London, E.C.	The Anglo-Canadian Chemical Co., St. John, N.B.	.....
April 5	1847	Great Eastern High Grade Potato Manure.	American Agricultural Chemical Co., New York.	Manufacturers.	.....
" 5	1848	Great Eastern Northern Corn Special.	" "	" .....	.....
" 5	1849	Great Eastern Potato Manure.	" "	" .....	.....
" 5	1850	Great Eastern General Fertilizer.	" "	" .....	.....
" 5	1851	Great Eastern Grass and Oats Fertilizer.	" "	" .....	.....
" 5	1852	High Grade Superphosphate.	" "	" .....	.....
" 5	1853	Great Eastern Potato Special.	" "	" .....	.....
" 5	1854	Aroostook Complete Manure.	" "	" .....	.....
" 6	1855	'A' Bone Black Fertilizer.	Michigan Carbon Works, Detroit.	" ..	Bone black, mineral phosphates, sulphate of ammonia, acidulated tankage, sulphate or muriate of potash.
" 6	1856	Homestead Potato and Tobacco Fertilizer.	" "	" ..	.....
" 6	1857	Desiccated Bone.	" "	" ..	Produced from pure animal bone.
" 6	1858	Homestead High Grade Garden and Vegetable Fertilizer.	" "	" ..	Bone black, mineral phosphates, sulphate of ammonia, acidulated tankage, sulphate or muriate of potash.
" 6	1859	Gregory's Special High Grade Tobacco Guano.	" "	" ..	Sulphate of ammonia, high grade German potash, animal matter, (blood, bone and tankage) dissolved bone black and superphosphate.
" 6	1860	High Grade Fruit and Vegetable Fertilizer.	" "	" ..	Bone black, mineral phosphates, sulphate of ammonia, acidulated tankage, sulphate or muriate of potash.
" 6	1861	Fruit and Vine Fertilizer.	" "	" ..	" "

Samples of Commercial Fertilizers, Registered for 1906—Continued.

	RESULTS OF ANALYSIS.										Relative value per ton of 2,000 lbs.	No. of Sample.	Name of Analyst.
	Nitrogen.		Phosphoric Acid.				Total available.	Potash.	Moisture.				
	Total including nitric acid and ammonia.	Total calculated as ammonia.	Soluble in water.	Citric soluble.	Insoluble.	Total.							
	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	p. c.	\$ cts.			
Guaranteed contents		2.50					7.00	4.50					
Standard sample ..	2.50	3.82	4.47	2.69	2.43	9.59	7.16	4.59	11.80	24 33	1843	A. Lemoine.	
Guaranteed contents		2.50					8.00	4.50					
Standard sample....	2.38	2.89	5.11	2.89	2.23	10.23	8.00	1.84	10.00	22 89	1844	"	
Guaranteed contents		2.50					8.00	1.50					
Standard sample....	2.10	2.55	5.42	3.34	1.15	9.91	8.76	2.80	9.80	20 45	1845	"	
Guaranteed contents						14.00							
Standard sample....				14.52	2.43	16.95	14.52		Trace.	17 67	1846	"	
Guaranteed contents	3.30	4.00	4.00	2.00	1.00	7.00	6.00	10.00					
Standard sample....	3.78	4.59	5.11	3.20	1.15	9.46	8.31	10.67	9.70	33 51	1847	"	
Guaranteed contents	2.06	2.50	5.00	3.00	2.00	10.00	8.00	1.50					
Standard sample....	2.66	3.23	5.63	3.97	3.51	13.11	9.60	2.02	13.35	23 22	1848	"	
Guaranteed contents	2.06	2.50	5.00	3.00	2.00	10.00	8.00	3.00					
Standard sample....	2.45	2.97	6.90	3.02	3.19	13.11	9.92	3.76	13.90	24 64	1849	"	
Guaranteed contents	0.82	1.00	5.00	3.00	2.00	10.00	8.00	4.00					
Standard sample....	1.12	1.35	6.59	1.72	4.35	12.66	8.31	4.22	11.85	19 11	1850	"	
Guaranteed contents			6.00	5.00	1.00	12.00	11.00	2.00					
Standard sample....	Trace.	Trace.	6.59	4.61	3.19	14.39	11.20	2.95	14.35	16 87	1851	"	
Guaranteed contents			11.00				14.00						
Standard sample....	Trace.	Trace.	12.79	0.65	2.23	15.67	13.44	0.50	16.30	17 21	1852	"	
Guaranteed contents	3.30	4.00	6.90	2.00	1.00	9.00	8.00	7.00					
Standard sample....	2.80	3.40	6.00	1.85	2.75	11.51	8.76	7.41	12.75	28 07	1853	"	
Guaranteed contents	2.40	3.00	5.00	1.00	1.00	7.00	6.00	10.00					
Standard sample....	2.31	2.80	5.63	1.73	2.23	9.59	7.36	10.46	12.15	27 62	1854	"	
Guaranteed contents		2.50					8.00	1.50					
Standard sample....	2.31	2.89	6.71	2.57	2.23	11.51	9.28	1.89	10.55	21 27	1855	"	
Guaranteed contents		2.50					8.00	3.00					
Standard sample....	2.38	2.89	7.54	2.18	1.79	11.51	9.72	3.65	11.20	23 70	1856	"	
Guaranteed contents		1.50					25.00						
Standard sample....	1.33	1.61		20.15	11.51	31.66	20.15		9.25	30 17	1857	"	
Guaranteed contents		2.50					8.00	6.00					
Standard sample....	2.10	2.53	7.54	0.26	0.43	10.23	7.80	6.48	10.80	23 66	1858	"	
Guaranteed contents		3.00					8.00	4.00					
Standard sample....	2.59	3.14	7.54	2.39	1.58	11.51	9.93	3.97	12.45	24 90	1859	"	
Guaranteed contents		4.00					8.00	7.00					
Standard sample....	3.36	4.08	7.99	1.48	1.59	11.06	9.47	7.28	11.20	30 37	1860	"	
Guaranteed contents		2.00				12.00		10.00					
Standard sample....	2.10	2.55	4.67	3.97	6.07	14.71	8.64	12.82	9.35	31 48	1861	J. G. A. Valin.	

TABULATED STATEMENT of the Results of Analysis of 153 Standard

Date when Received.	No. of Sample.	Designation.	Name of Manufacturer.	By whom Sent.	From what Materials Produced.
1906.					
April 6 1862	Red Line Phosphate.	Michigan Carbon Works, Detroit.	Manufacturers.	..	Mineral phosphates made available with sulphuric acid.
Mar. 14 1863	Fertilizer 'A.'	Victoria Chemical Co., Ltd., Victoria, B.C.	"	..	Nitrate of soda, muriate of potash and superphosphate of lime.
" 14 1864	Fertilizer 'B.'	" "	"	..	" "
" 14 1865	Fertilizer 'C.'	" "	"	..	Muriate of potash and superphosphate of lime.
" 14 1866	Superphosphate of Lime.	" "	"	..	Spent bone char with sulphuric acid.
" 14 1867	Nitrate of Soda.	Imported from Chili...	Victoria Chemical Co., Ltd., Victoria, B.C.	..	..
" 14 1868	Kainite.	Imported from Germany	"	..	..
" 14 1869	Sulphate of Potash	" "	"	..	..
" 14 1870	Muriate of Potash.	" "	"	..	..
" 14 1871	Thomas' Phosphate Powder.	" "	"	..	..
" 23 1872	Royal Canadian...	The Capelton Chemical and Fertilizer Co., Buckingham, Que.	Manufacturers.	..	..
" 23 1873	Victor.....	" " ..	"	..	..
" 23 1874	No. 1. ....	" " ..	"	..	..
" 23 1875	.....	" " ..	"	..	..

Samples of Commercial Fertilizers, Registered for 1906—*Concluded.*

	RESULTS OF ANALYSIS.										Relative value per ton of 2,000 lbs.	No. of Sample.	Name of Analyst.
	Nitrogen.		Phosphoric Acid.					Potash.	Moisture.				
	Total including nitric acid and ammonia.	Total calculated as ammonia.	Soluble in water.	Citric soluble.	Insoluble.	Total.	Total available.						
								p. c.	p. c.	p. c.			
Guaranteed contents						14.00					8 cts.		J. G. A. Valin.
Standard sample....			11.38	2.37	3.71	17.46	14.29		13.15	17.36	1862		
Guaranteed contents	4.00					10.00		7.00					"
Standard sample....	3.78	4.59	10.50	0.50	0.60	11.60	11.00	6.58	13.10	32.76	1863		
Guaranteed contents	3.05					9.00		11.00					"
Standard sample....	2.94	3.57	10.30		0.62	10.92	10.30	10.35	14.60	32.89	1864		
Guaranteed contents						12.05		11.00					"
Standard sample....	0.34	0.41	13.55	0.02	0.55	14.12	13.57	9.86	9.60	27.45	1865		
Guaranteed contents						16.00							"
Standard sample....	0.28	0.34	17.22	0.86	0.77	18.85	18.08		13.05	22.78	1866		
Guaranteed contents	16.00												A. Lemoine.
Standard sample....	13.86	16.82							1.50	47.12	1867		
Guaranteed contents								12.00					"
Standard sample....								12.36	6.60	12.36	1868		
Guaranteed contents								50.00					"
Standard sample....								46.64	1.60	46.64	1869		
Guaranteed contents								50.00					"
Standard sample....						16.00		51.96	2.20	51.96	1870		
Guaranteed contents	Trace.	Trace.		13.43	1.35	17.78	13.43	Trace.	Trace.	16.07	1871		"
Standard sample....		4.00				9.00		5.00					
Guaranteed contents		3.36	4.08	7.54	0.13	4.35	12.02	7.67	5.62	5.90	27.62	1872	"
Standard sample....													
Guaranteed contents		2.00				7.00		3.00					J. G. A. Valin.
Standard sample....		2.43	7.00	2.13	3.62	12.75	9.13	3.63	12.20	20.85	1873		
Guaranteed contents						14.00							"
Standard sample....		0.35	0.42	7.32	3.01	4.37	14.70	10.33		12.20	14.59	1874	
Guaranteed contents						8.00							"
Standard sample....		0.11	0.13	4.80	4.06	4.67	13.55	8.88		9.45	12.01	1875	